

Abstract

The invention relates to a stable high-performance flat sealing material for application at a temperature up to 330°C which is compacted by heat and pressure in such a way that a composite film, i.e. a reinforced (fibrous) film is obtainable by compressing one or several non-woven fabrics or 5 one or several non-woven mat weaves at a predetermined pressure and temperature. The inventive flat sealing material is suitable for highly stressed joints, in particular for cylinder head gaskets. The thus produced composite film or 10 the (fibre and/or binder) reinforced film has the layer thicknesses ranging from 0.01 to 3.0 mm obtainable in one operation from one or several non-woven fabric layers, thereby making it 15 possible for the first time to obtain the layer thicknesses of 0.01 mm using the inventive materials.